

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method of producing analytical result data comprising:
a measurement step of obtaining measurement data by means of a measurement device for a subject's in vivo test and/or in vitro test,
a first transmission step of transmitting said measurement data from said measurement device to an analysis device via a network,
a first receiving step of receiving said measurement data by said analysis device,
~~an analysis~~ a processing step of processing analyzing said measurement data by said analysis device to obtain an analytical data result which corresponds to said measurement data,
a second transmission step of transmitting said analytical result data from said analysis device, via said network, to said measurement device, and
a second receiving step of receiving said analytical result data by said measurement device.
2. (Currently Amended) The method of producing analytical result data according to Claim 1, wherein
said first transmission step includes a step of associating a communication address of said measurement device with said measurement data.
3. (Currently Amended) A method of producing analytical result data comprising:

a measurement step of obtaining measurement data by means of a measurement device for a subject's in vivo test and/or in vitro test,

a first transmission step of transmitting said measurement data from said measurement device to an analysis device via a network,

a first receiving step of receiving said measurement data by said analysis device,

~~an analysis~~ a processing step of processing ~~analyzing~~ said measurement data by said analysis device to obtain an analytical data result which corresponds to said measurement data,

a second transmission step of transmitting said analytical result data from said analysis device, via said network, to an output device that outputs said analytical result data,

a second receiving step of receiving said analytical result data by said output device,
and

an output step of outputting said analytical result data by said output device.

4. (Currently Amended) The method of producing analytical result data according to Claim 3, wherein

said first transmission step includes a step of associating a communication address of said output device with said measurement data.

5. (Currently Amended) An analytical result data producing device, comprising:

~~connection means for connecting, via a network, a measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains measurement data,~~

receiving means for receiving a said measurement data via a network from a said measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains said measurement data ~~via said connection means~~,

processing analysis means for processing ~~conducting an analysis of~~ said measurement data, and obtaining an analytical result data which corresponds to said measurement data, and

transmission means for transmitting, via said network ~~connection means~~, said analytical result data to said measurement device.

6. (Currently Amended) The analytical result data producing device according to Claim 5, wherein

said receiving means receives a communication address of said measurement device and associates said communication address with said measurement data.

7. (Currently Amended) The analytical result data producing device according to Claim 5, wherein

said receiving means further receives identification information and test items for said subject that are associated with said measurement data, and

said transmission means transmits said identification information of said subject and said test items associated with said measurement data.

8. (Currently Amended) The analytical result data producing device according to Claim 5, wherein

said receiving means further receives device identification information that identifies a class of said measurement device and said measurement data associated therewith,

and said processing analysis means includes:

storage means for storing analysis programs for processing methods of said measurement data for each class of said measurement device,

determination means for determining said class of said measurement device based upon said device measurement identification information, and

selection means for selecting an analysis program method corresponding to said class of said measurement device from amongst said stored analysis programs methods, and for applying the selected analysis program method to process analysis of said measurement data.

9. (Currently Amended) The analytical result data producing device according to Claim 5, further comprising:

results storage means for storing conditions on a contract relating to analysis of measurement data exchanged between a manager of the analytical data producing device and a manager of said measurement device, and usage results of said analytical data production device that said manager of said measurement device used, and

determination means for determining items billed to said manager of said measurement device based on said contract conditions and said usage results.

10. (Currently Amended) An analytical result data producing device, comprising:

~~connection means for connecting, via a network, a measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains measurement data,~~

receiving means for receiving a said measurement data via a network from a said measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains said measurement data ~~via said connection means,~~

processing analysis means for processing ~~conducting an analysis of~~ said measurement data, and obtaining an analytical result data which corresponds to said measurement data, and transmission means for transmitting, via said network connection means, said analytical result data to an output device that outputs said analytical result data.

11. (Currently Amended) The analytical result data producing device according to Claim 10, wherein

said receiving means receives a communication address of said measurement device and associates said communication address with said measurement data.

12. (Currently Amended) The analytical result data producing device according to Claim 10, wherein

said receiving means further receives identification information and test items for said subject that are associated with said measurement data, and

said transmission means transmits said identification information of said subject and said test items associated with said analytical result data.

13. (Currently Amended) The analytical result data producing device according to Claim 10, wherein

said receiving means further receives device identification information that identifies a class of said measurement device and said measurement data associated therewith,

and said processing means ~~analysis device~~ includes:

storage means for storing analysis programs for processing methods ~~of~~ said measurement data for each class of said measurement device,

determination means for determining said class of said measurement device based upon said device measurement identification information, and

selection means for selecting an analysis program method corresponding to said class of said measurement device from amongst said stored analysis programs methods, and for applying the selected analysis program method to process analysis of said measurement data.

14. (Currently Amended) The analytical result data producing device according to Claim 10, further comprising:

results storage means for storing conditions on a contract relating to process analysis of measurement data exchanged between a manager of the analytical result data producing device and a manager of said measurement device, and usage results of said analytical result producing data-production device that said manager of said measurement device used, and

determination means for determining items billed to said manager of said measurement device based on said contract conditions and said usage results.

15. (Currently Amended) A computer program product for an analytical result data production, comprising:

~~connection means for connecting, via a network, a measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains measurement data,~~

receiving means for receiving said measurement data via a network from a said measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains said measurement data via said network,

processing analysis means for processing conducting an analysis of said measurement data, and obtaining an analytical result data which corresponds to said measurement data, and

transmission means for transmitting, via said network, said analytical result data to said measurement device.

16. (Currently Amended) A computer program product for an analytical result data production, comprising:

~~connection means for connecting, via a network, a measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains measurement data,~~

receiving means for receiving said measurement data via a network from a said measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains said measurement data via said network,

processing analysis means for processing ~~conducting an analysis of~~ said measurement data, and obtaining an analytical result data which corresponds to said measurement data, and

transmission means for transmitting, via said network, said analytical result data to an output device that outputs analytical result data.

17. (Currently Amended) A measurement device to be connected via a network to an analysis device that processes a measurement data and obtains an analytical result which corresponds to said measurement data by processing the measurement data, comprising:

measurement means for conducting measurements for a subject's in vivo test and/or in vitro test and for obtaining measurement data, and

~~first connection means for connecting said measurement means to said analysis device, via said network, and~~

first transmission means for transmitting said measurement data to said analysis device via said network to convert said measurement data into said analytical result ~~first connection means,~~

wherein the network is selected from the group consisting of an internet, a public telephone network, a mobile communication network, and an ISDN.

18. (Previously Presented) The measurement device according to Claim 17, wherein said first transmission means associates a communication address of said measurement device with said measurement data and transmits said measurement data.

19. (Previously Presented) The measurement device according to Claim 17, wherein said first transmission means associates identification information of said subject and test items with said measurement data and transmits said measurement data.

20. (Previously Presented) The measurement device according to Claim 17, wherein said first transmission means associates device identification information that indicates the identity of said measurement device with said measurement data and transmits said measurement data.

21. (Currently Amended) The measurement device according to Claim 17, further comprising:

an output means for outputting said analytical result ~~data obtained by analyzing said measurement data,~~

~~second connection means for connecting said output means to said analysis device,~~

receiving means for receiving from said analysis device said analytical result data obtained by processing ~~analyzing~~ said measurement data, and

second transmission means for transmitting said analytical result data received by said receiving means, ~~via said second connection means,~~ to said output means. [[,]]

~~wherein said first transmission means employs a communication address of said measurement device as an communication address.~~

22. (Currently Amended) The measurement device according to Claim 17, further comprising

output means for outputting analytical result data received from said analysis device.

23. (Currently Amended) A computer program product comprising:

measurement means for conducting measurements for a subject's in vivo test and/or in vitro test and obtaining measurement data,

~~first connection means for connecting said measurement means to an analysis device, via a network, that analyzes said measurement data, and~~

~~first transmission means for transmitting said measurement data to an~~ said analysis device that processes said measurement data and obtains an analytical result which corresponds to said measurement data via said network to convert said measurement data into said analytical result,

wherein the network is selected from the group consisting of an internet, a public telephone network, a mobile communication network, and an ISDN.

24. (Currently Amended) An output device ~~A computer to be~~ connected to a measurement device ~~that receives an analytical data from an analysis device for obtaining the analytical data based on a measurement data~~ comprising:

~~connection means for connecting to the measurement device that conducts measurements for a subject's in vivo test and/or in vitro test and obtains the measurement data;~~

receiving means for receiving the an analytical result data from said ~~the~~ measurement device ~~via said connection means, said analytical result being transmitted from an analysis device to said measurement device via a network, said measurement device conducting measurements for a subject's in vivo test and/or in vitro test and obtaining a measurement data, said analysis device processing said measurement data and obtaining said analytical result, and said measurement device being connected to said analysis device via said network;~~ and

output means for outputting the said analytical result data.

25. (Canceled).

26. (Currently Amended) An output device ~~to be~~ connected to an analysis device ~~that is connected, via a network, to a measurement device for conducting measurements for a subject's in vivo test and/or in vitro test and obtaining a measurement data,~~ comprising:

~~connection means for connecting, via the network, to the analysis device that analyzes the measurement data and obtains analytical data,~~

receiving means for receiving an said analytical result, data via said network, from said analysis device that processes a measurement data and obtains said analytical result; via ~~said connection means~~; and

output means for outputting said analytical result; data.

wherein said analysis device is connected to a measurement device that conducts measurement for subject's in vivo test an/or in vitro test and obtains the measurement data via said network.

27. (Currently Amended) The output device according to Claim 26, wherein said receiving means receives identification information and test items for said subject that is related to said analytical result data, and

said output device associates said subject's identification information and test items with said analytical result data and outputs said analytical result data.

28-29. (Canceled).

30. (Currently Amended) The method of producing analytical result data according to claim 1, further comprising:

an outputting step of outputting said analytical result data by said measurement device.

31. (Currently Amended) The method of producing analytical result data according to claim 1, wherein

the network is selected from the group consisting of an internet, a public telephone network, a mobile communication network, and an ISDN.

32. (Currently Amended) The method of producing analytical result data according to claim 3, wherein

the network is selected from the group consisting of an internet, a public telephone network, a mobile communication network, and an ISDN.

33. (Previously Presented) The measurement device according to claim 22, wherein the output means comprises a computer.

34. (Currently Amended) A system of producing analytical result data comprising:
a measurement device; and
an analysis device to be connected via a network to the measurement device;
wherein the measurement device comprises

measurement means for conducting measurements for a subject's in vivo test

and/or in vitro test and for obtaining measurement data, and

~~first connection means for connecting said measurement means to said~~

~~analysis device, via said network, and~~

first transmission means for transmitting, via said network ~~first connection~~

~~means~~, said measurement data to said analysis device, and

the analysis device comprises

~~second connection means for connecting, via the network, the measurement~~

~~device,~~

receiving means for receiving said measurement data from said measurement device via said network ~~second connection means~~,
processing analysis means for processing ~~conducting an analysis of~~ said measurement data, and obtaining an analytical result data which corresponds to said measurement data, and
second transmission means for transmitting, via said network ~~second connection means~~, said analytical result data to said measurement device.

35. (Currently Amended) A system of producing analytical result data comprising:
a measurement device;
an analysis device to be connected via a network to the measurement device; and
an output device to be connected via the network to the analysis device;
wherein the measurement device comprises

measurement means for conducting measurements for a subject's in vivo test and/or in vitro test and for obtaining measurement data, and
~~first connection means for connecting said measurement means to said analysis device, via said network, and~~
first transmission means for transmitting said measurement data to said analysis device via said network ~~first connection means~~,

the analysis device comprises

~~second connection means for connecting, via the network, the measurement device,~~

first receiving means for receiving said measurement data from said measurement device via said network ~~second connection means~~, processing analysis means for processing ~~conducting an analysis of~~ said measurement data, and obtaining an analytical result data which corresponds to said measurement data, and second transmission means for transmitting, via said network ~~second connection means~~, said analytical result data to said output device, and the output device comprises ~~third connection means for connecting, via the network, to the analysis device~~, second receiving means for receiving said analytical result data from said analysis device via said network ~~third connection means~~, and output means for outputting said analytical result data.

36. (Currently Amended) The system according to claim 34, wherein the measurement device further comprises an output means for outputting said analytical result data.

37. (Previously Presented) The system according to claim 34, wherein the network is selected from the group consisting of an internet, a public telephone network, a mobile communication network, and an ISDN.

38. (Currently Amended) The system according to claim 34, further comprising: a web ~~WWW~~ server for storing a patient data.

39. (Previously Presented) The system according to claim 35, wherein
the network is selected from the group consisting of an internet, a public telephone
network, a mobile communication network, and an ISDN.

40. (Currently Amended) The system according to claim 35, further comprising:
a web ~~WWW~~ server for storing patient data.

41. (New) A measurement device to be connected via a network to an analysis device
that processes a measurement data and obtains an analytical result, comprising:

a measurement unit for conducting measurements of a subject's in vivo test and/or in
vitro test and for obtaining said measurement data, and

a transmission unit for transmitting said measurement data to said analysis device via
said network to convert said measurement data into said analytical result,

wherein said network is selected from a group consisting of an internet, a public
telephone network, a mobile communication network, and an ISDN.